STATE PROJECT NUMBER

- -

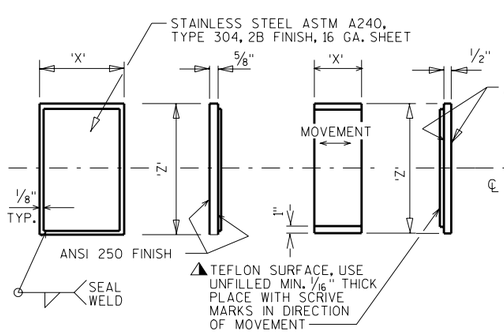


PLATE "A"

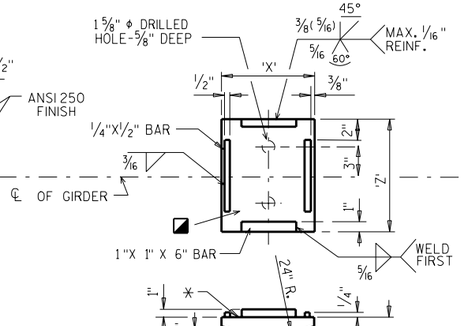
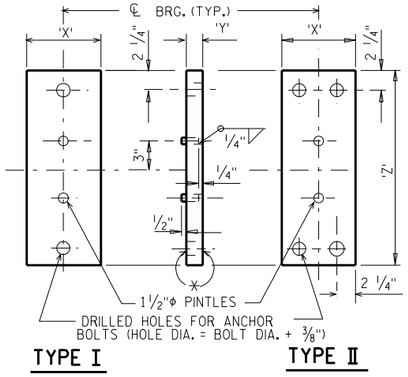


PLATE "B"

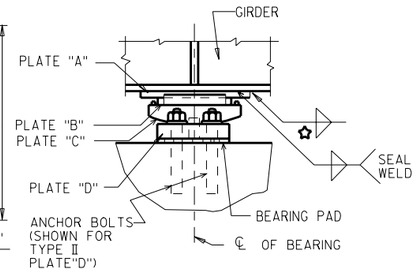
PLATE "C"



TYPE I

TYPE II

PLATE "D"



EXPANSION BEARING ASSEMBLY

EXPANSION BEARING

	PLATE "A"		PLATE "B"		PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRG'S REQ'D.	LOCATION
	'X'	'Z'	'X'	'Z'	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
EXPANSION BEARING						B					I	1 1/4"ϕ		
											II	1 1/2"ϕ		
FIXED BEARING						B								

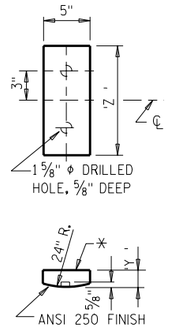
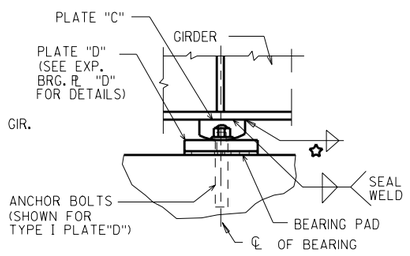


PLATE "C"



FIXED BEARING ASSEMBLY

FIXED BEARING

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING. ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5 FOR 1 1/4" ϕ AND 1'-10 FOR 1 1/2" ϕ BOLTS. PROJECT ANCHOR BOLTS "D"PLATE THICKNESS +2 1/4" ABOVE TOP OF CONCRETE.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR PINTLES IN ALL "D" PLATES FOR DRIVING FIT.

ALL MATERIAL INCLUDING SHIMS BUT EXCLUDING ANCHOR BOLTS, STAINLESS STEEL, TEFLON SURFACE , PINTLES, NUTS AND WASHERS SHALL BE MADE OF ASTM A709 GRADE 50W. STEEL PINTLES SHALL BE MADE OF ASTM A449 STEEL OR MATERIAL OF EQUAL YIELD STRENGTH & ELONGATION.

ANCHOR BOLTS, NUTS & WASHERS SHALL CONFORM TO ASTM A709 GRADE 36 OR MATERIAL OF EQUIV. STRENGTH & ELONGATION.

PROVIDE 1/8" THICK BEARING PAD SAME SIZE AS PLATE "D" FOR EACH BEARING.

ALL MATERIAL IN BEARINGS, INCLUDING BEARING PADS & SHIM PLATES SHALL BE PAID FOR ATTHE UNIT PRICE BID FOR "BEARING ASSEMBLIES EXPANSION B-_-_" OR "BEARING ASSEMBLIES FIXED B-_-_", RESPECTIVELY.

ANCHOR BOLTS, NUTS & WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C.

FIXED BEARINGS:
PLATE "C" SHALL BE SHOP PAINTED WITH A WELDABLE PRIMER.
PLATE "D" SHALL BE GALVANIZED.

EXPANSION BEARINGS:
PLATES "A" & "B" SHALL BE SHOP PAINTED. USE A WELDABLE PRIMER ON PLATE "A". PLATES "C" & "D" SHALL BE GALVANIZED. DO NOT PAINT STAINLESS STEEL OR TEFLON COATED SURFACES.

✳ FINISH THESE SURFACES ANSI 250 FINISH IF 'Y' DIM. IS GREATER THAN 2".

◪ PROVIDE A METHOD FOR HANDLING PLATE "C" DURING GALVANIZING.

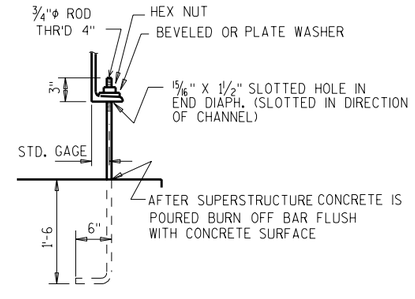
⚠ BOND STEEL AND TEFLON WITH ADHESIVE MATERIAL MEETING FED. SPEC. MMM-A-134, FEP FILM OR EQUAL.

✡ TABLE OF FILLET WELD SIZES

MATERIAL THICKNESS OF THICKER PART JOINED.	ǂ MIN. SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/16"
OVER 1/2" TO 3/4"	1/4"
OVER 3/4" TO 1 1/2"	△ 5/16"
OVER 1 1/2" TO 2 1/4"	△ 3/8"
OVER 2 1/4" TO 6"	△ 1/2"

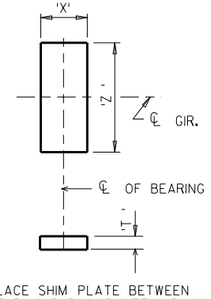
ǂ EXCEPT THAT THE WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED.

△ MIN. PASS SIZE IS 5/16"



TEMPORARY HOLD DOWN

PLACE ONE PER GIRDER AT ABUTMENT WHERE SLAB POUR TERMINATES. LOCATE 1'-6 (NORMAL) OFF ℄ OF GIRDER. TO BE PAID FOR AS "STRUCTURAL CARBON STEEL".



PLACE SHIM PLATE BETWEEN BEARING PAD & PLATE "D".

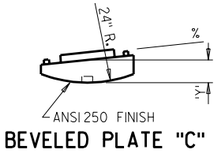
'T'	NO. REQ'D.	LOCATION

FOR DIMS. 'X', 'Z' & ANCHOR BOLT LOCATIONS SEE PLATE "D".

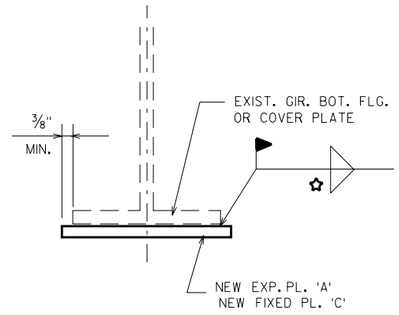
SHIM PLATE DETAILS

IN LIEU OF SHIM PLATE, THICKNESS OF PLATE "A" OR "D". MAY BE INCREASED BY "T" THE SHIM PLATE THICKNESS.

SHIM PLATE NOT REQUIRED IF FLANGE BUTT SPLICE IS ELIMINATED & THE LARGER FLANGE PLATE IS EXTENDED TO THE END OF THE GIRDER.



BEVELED PLATE "C"



BEARING REPLACEMENT DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE

DRAWN BY | PLANS CK'D.

BEARING DETAILS

SHEET

FT 55 2-05

8

8

LEVELS 1 2 3 4 5 6

FILE= BRTFLON.DGN

SCALE =